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ACCESS DB # 162380 sec  
PLEASE PRINT CLEARLY  
166082 Tex

Scientific and Technical Information Center

## SEARCH REQUEST FORM

Requester's Full Name: Salvoza, Franco Examiner #: 80847 Date: 08/12/05  
Art Unit: 1648 Phone Number: 2-8410 Serial Number: 10608029  
Location (Bldg/Room#): Rem 3849 (Mailbox #): 3019 Results Format Preferred (circle): PAPER DISK  
\*\*\*\*\*

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: Attenuated Flavivirus Strains Containing A Mutated M-  
Ectodomain and Their Applications

Inventors (please provide full names):  
Philippe Despres, Adeline Carreau

Earliest Priority Date: 06/30/2003

### Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

I'm looking for a peptide search of the peptide  
listed in claim 1:

X1-X2-X3-X4-X5-X6-X7-X8-X9

as well as the peptide consisting of selected  
in the group consisting of peptides of 6-9  
amino acids wherein X5 represents Phenylalanine  
(claim 2)

and peptide associated with a conjugated to  
another peptide/protein (claim 3)  
and pharmaceutical composition comprising the peptide  
(claim 13)

and interference search, inventor search

TX

\*\*\*\*\*

### STAFF USE ONLY

Searcher: D. Schwaber

Searcher Phone #: 272-2526

Searcher Location: Remsen E01A61

Date Searcher Picked Up: \_\_\_\_\_

Date Completed: 9/19

Searcher Prep & Review Time: 19/15

Online Time: 92/38

### Type of Search

\_\_\_\_ NA Sequence (#)

8 AA Sequence (#)

\_\_\_\_ Structure (#)

☒ Bibliographic

\_\_\_\_ Litigation

\_\_\_\_ Fulltext

\_\_\_\_ Other

### Vendors and cost where applicable

31742 STN \_\_\_\_\_ Dialog

\_\_\_\_ Questel/Orbit \_\_\_\_\_ Lexis/Nexis

\_\_\_\_ Westlaw \_\_\_\_\_ WWW/Internet

☒ In-house sequence systems IC CCC

\_\_\_\_ Commercial \_\_\_\_\_ Oligomer \_\_\_\_\_ Score/Length  
\_\_\_\_ Interference \_\_\_\_\_ SPDI \_\_\_\_\_ Encode/Transl

\_\_\_\_ Other (specify)



# **STIC Search Report**

## **Biotech-Chem Library**

**STIC Database Tracking Number: 162380 and 166082**

**TO: Franco M Salvoza**  
**Location: REM-3B498.3C18**  
**Monday, September 19, 2005**  
**Art Unit: 1648**

**Case Serial Number: 10/608029**

**From: David Schreiber**  
**Location: Biotech-Chem Library**  
**Remsen E01A61**  
**Phone: 571-272-2526**

**David.Schreiber@uspto.gov**

### **Search Notes**

=> fil hcaplus

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FILE LAST UPDATED: 18 Sep 2005 (20050918/ED)

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(FILE 'HOME' ENTERED AT 08:26:02 ON 19 SEP 2005)

FILE 'REGISTRY' ENTERED AT 08:26:07 ON 19 SEP 2005

L1 242737 S [-DE]W[-ALI][AVLIPFWMC][KRH][KRHGSTYNQ][[-DEKRH][[-DE]W[-ALI][  
L2 188039 S [-DEKRH][[-KRH][[-DE]W[-ALI][AVLIPFWMC][KRH][KRHGSTYNQ][[-DEKRH  
L3 88 S L1 AND SQL>=6 AND SQL<=7  
L4 94 S L2 AND SQL>=7 AND SQL<=9  
L5 177 S L3 OR L4

FILE 'HCAPLUS' ENTERED AT 09:39:39 ON 19 SEP 2005

L6 119 S L5  
L7 69 S L6 NOT PY>2003  
L8 3 S L6 AND FLAVIVIR?  
SELECT L7 RN 1-69  
DELETE SELECT  
L9 0 S L7 AND FLAVIVIR?  
L10 6 S L7 AND ISOLATE?  
L11 5 S L7 AND PURIF?  
L12 14 S L8 OR L10 OR L11  
SELECT RN L12 1-14  
DELETE SELECT

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FILE 'HCAPLUS' ENTERED AT 09:55:01 ON 19 SEP 2005

L13 TRA L12 1-14 RN : 1739 TERMS

FILE 'REGISTRY' ENTERED AT 09:55:02 ON 19 SEP 2005

L14 1739 SEA L13

FILE 'HCAPLUS' ENTERED AT 09:55:34 ON 19 SEP 2005

FILE 'REGISTRY' ENTERED AT 09:55:55 ON 19 SEP 2005

L15 34 S L5 AND L14

L16 FILE 'HCAPLUS' ENTERED AT 09:56:36 ON 19 SEP 2005  
14 S L15 AND L12

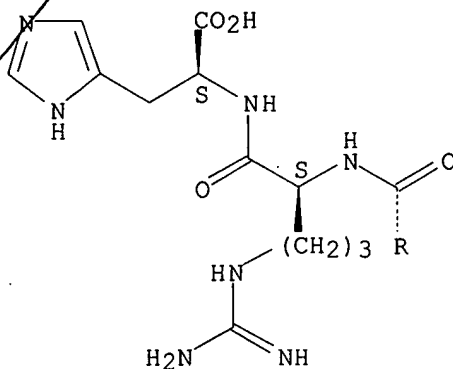
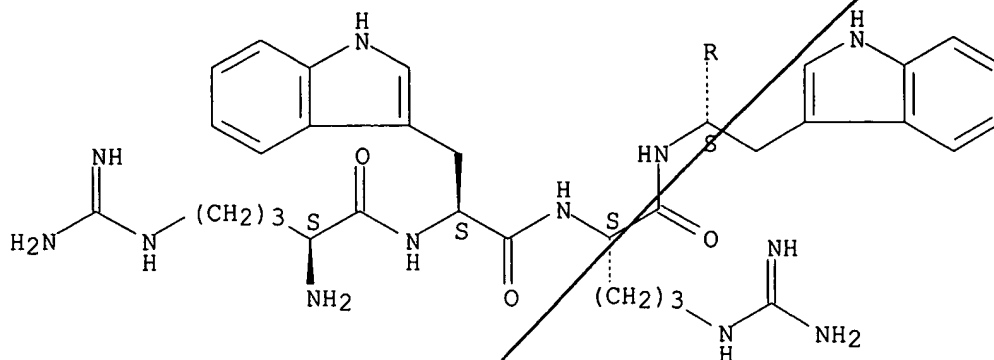
FILE 'HCAPLUS' ENTERED AT 10:03:28 ON 19 SEP 2005

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L16 ANSWER 1 OF 14 HCAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2002:221202 HCAPLUS  
DOCUMENT NUMBER: 136:257216  
TITLE: Compositions and methods for treating infections using  
cationic peptides alone or in combination with  
antibiotics  
INVENTOR(S): Krieger, Timothy J.; Taylor, Robert; Erfle, Douglas;  
Fraser, Janet R.; West, Michael H. P.; McNichol,  
Patricia J.  
PATENT ASSIGNEE(S): Can.  
SOURCE: U.S. Pat. Appl. Publ., 111 pp., Cont.-in-part of U. S.  
6,180,604.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002035061	A1	20020321	US 1998-30619	19980225
US 6503881	B2	20030107		
US 6180604	B1	20010130	US 1997-915314	19970820
EP 1174439	A2	20020123	EP 2001-119148	19970821
EP 1174439	A3	20030326		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
CA 2282807	AA	19980917	CA 1998-2282807	19980310
AU 9866047	A1	19980929	AU 1998-66047	19980310
EP 966481	A2	19991229	EP 1998-907779	19980310
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002544759	T2	20021224	JP 1998-538997	19980310
US 6538106	B1	20030325	US 2000-667486	20000922
US 2003232750	A1	20031218	US 2002-277233	20021018
US 2004009910	A1	20040115	US 2003-351985	20030124
JP 2005225857	A2	20050825	JP 2004-242925	20040823
PRIORITY APPLN. INFO.			US 1996-24754P	P 19960821
			US 1997-34949P	P 19970113
			US 1997-40649P	P 19970310
			US 1997-915314	A2 19970820
			US 1997-60099P	P 19970926
			EP 1997-941352	A3 19970821
			JP 1998-510994	A3 19970821
			US 1998-30619	A 19980225
			WO 1998-CA190	W 19980310
			US 2000-667486	A1 20000922

OTHER SOURCE(S): MARPAT 136:257216  
AB Comps. and methods for treating infections, especially bacterial infections,  
are provided. Indolicidin peptide analogs containing at least two basic amino  
acids are prepared. The analogs are administered as modified peptides,



REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 6 OF 14 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1998:621235 HCAPLUS

DOCUMENT NUMBER: 129:254975

TITLE: Compositions and methods for treating infections using cationic peptides alone or in combination with antibiotics

INVENTOR(S): Fraser, Janet R.; West, Michael H. P.; Mcnicol, Patricia J.

PATENT ASSIGNEE(S): Micrologix Biotech Inc., Can.

SOURCE: PCT Int. Appl., 106 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9840401	A2	19980917	WO 1998-CA190	19980310
WO 9840401	A3	19981217		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

US 6180604	B1	20010130	US 1997-915314	19970820
CA 2282807	AA	19980917	CA 1998-2282807	19980310
AU 9866047	A1	19980929	AU 1998-66047	19980310
EP 966481	A2	19991229	EP 1998-907779	19980310

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

JP 2002544759	T2	20021224	JP 1998-538997	19980310
US 2004009910	A1	20040115	US 2003-351985	20030124

PRIORITY APPLN. INFO.:

US 1997-40649P	P	19970310
US 1997-915314	A	19970820
US 1997-60099P	P	19970926
US 1996-24754P	P	19960821
US 1997-34949P	P	19970113
US 1998-30619	A	19980225
WO 1998-CA190	W	19980310
US 2000-667486	A1	20000922

AB Compns. and methods for treating infections, especially bacterial infections, are provided. Cationic peptides in combination with an antibiotic agent are administered to a patient to enhance the activity of the antibiotic agent, overcome tolerance, and overcome acquired or inherent resistance. Thus, a combination of antimicrobial agent and cationic peptide that breaks tolerance results in a decrease of min. bacterial concentration (MBC) to min. inhibitory concentration (MIC) ratio to <32. The combination of vancomycin

and MBI 26 overcomes the tolerance of Enterococcus casseliflavus and E. faecalis with MBC/MIC ratio of 1-8 compared to that of 32 to >256 for vancomycin alone.

IT 204245-39-6P, MBI 11G27 204249-38-7P, MBI 11G27CN  
213457-52-4P, MBI 11G28 213457-63-7P, MBI 11G28CN

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PNU (Preparation, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(cationic peptides alone or in combination with antibiotics for treating infections)

IT 204245-39-6P, MBI 11G27

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PNU (Preparation, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(cationic peptides alone or in combination with antibiotics for treating infections)

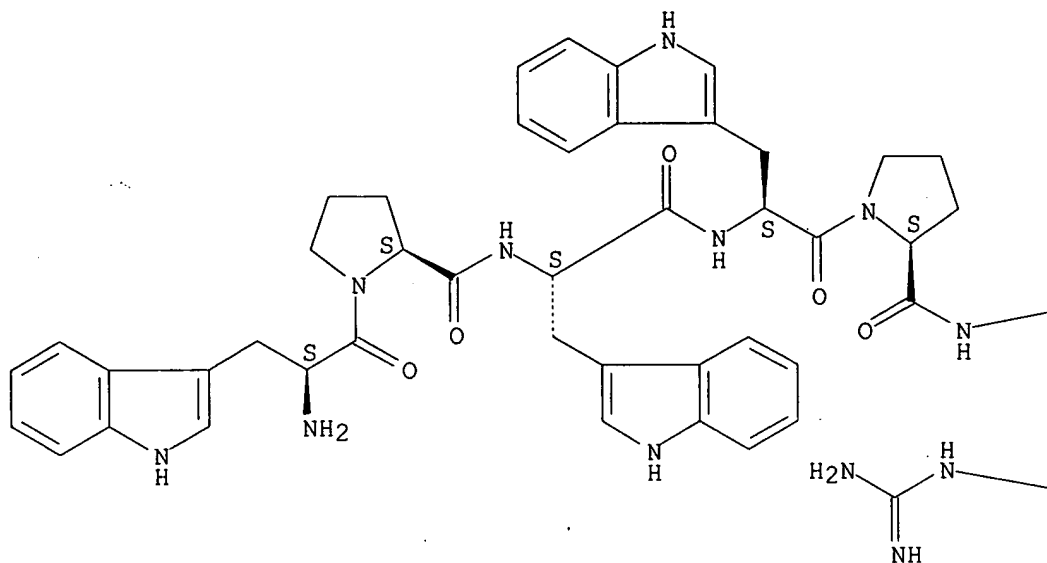
RN 204245-39-6 HCAPLUS

CN 6-13-Indolicidin, 13a-L-lysine- (9CI) (CA INDEX NAME)

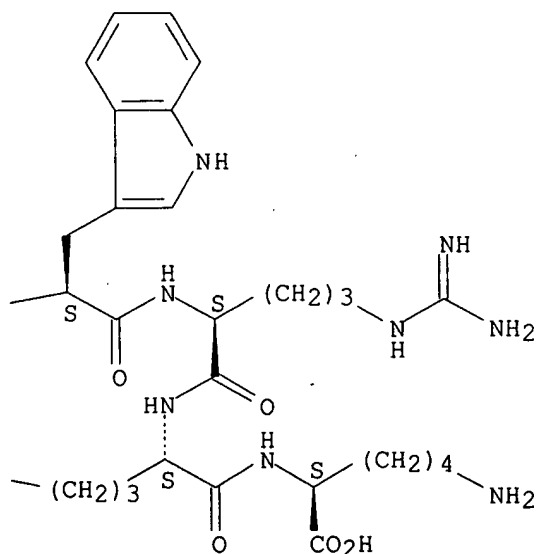
SEQ 1 WPWWPWRRK

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



L16 ANSWER 7 OF 14 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1998:147346 HCAPLUS

DOCUMENT NUMBER: 128:213381

TITLE: Compositions and methods for treating infections using analogs of indolicidin

INVENTOR(S): Fraser, Janet R.; West, Michael H. P.; Krieger, Timothy J.; Taylor, Robert; Erfle, Douglas

PATENT ASSIGNEE(S): Micrologix Biotech, Inc., Can.; Fraser, Janet R.;